QC ABSTRACT

Nameof Work: Improvements to Roads and Main and Cross Roads of Kodigehalli and surrounding areas in Ward No.8 Kodigehalli, BBMP, Bangalore.

Sl. No.	Item	Quantity As Per BOQ	Required No's of testes	Actual No's of testes	Testes	Frequency
1	1:4:8	89.34 Cum	3	3	Cement Sand, Aggregates	One Test Per Lot
2	M20	218.58 Cum	8	8	Concrete Cube Compressive Strength	-
3	Steel	13.11 Sqm	1	1	Concrete Blocks Compressive Strength	-
4	Slab (100mm)	484.20 Sqm	3	3	Concrete Core Compressive Strength	-
5	Slab (230mm)	84.00 Sqm	1	1	Concrete Core Compressive Strength	-
6	Kerb	196.00Nos	3	3	Concrete Core Compressive Strength	-

Cubes	0-5 Cum	1Set
	6-15 Cum	2Set
	16-30 Cum	3Set
	31-50 Cum	4Set
	Add 1set for extra 50Cum	

CIVIL AIM CONSULTANTS & ENGINEERS BANGALORE

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/BGSN/W.No.8/2020-21 Date: 25.11.2020

TEST REPORT

CLIENT	:	**Assistant Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
AGENCY	:	**Sri. Byate Gowda S N,** Contractor, Bangalore.
NAME OF THE WORK	:	Improvements to Roads and Main and Cross Roads of Kodigehalli and surrounding areas in Ward No.8 Kodigehalli, BBMP, Bangalore.
SAMPLE ID	:	Cement (Birla OPC 53 Grade)
DATE OF MANUFACTURE	:	October - 2020
SAMPLE CONDITION	:	Satisfactory
DATE OF TESTING	:	23.11.2020 to 25.11.2020
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269-2015
1	a) Initial Setting Time	IS-4031 (Part -5)	150 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	340 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	28.00 %	-

Note:

⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒ The results indicated above are based on the tests carried out on the samples Collected at the Site.

⇒ Any Query regarding the report must be reported within 30days from the date of testing.

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No.01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah layout, Nagasandra, Bangalore - 560 073.
PH.No: 9591618639 GST IN:29CNWPD9510K1ZB Email:civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/BGSN/W.No.8/2020-21 Date: 26.11.2020

TEST REPORT

CLIENT	:	**Assistant Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
AGENCY	:	**Sri. Byate Gowda S N,** Contractor, Bangalore.
NAME OF THE WORK	:	Improvements to Roads and Main and Cross Roads of Kodigehalli and surrounding areas in Ward No.8 Kodigehalli, BBMP, Bangalore.
SAMPLE ID	:	Cement (Birla OPC 53 Grade)
DATE OF MANUFACTURE	:	October - 2020
SAMPLE CONDITION	:	Satisfactory
DATE OF TESTING	:	24.11.2020 to 26.11.2020
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269-2015
1	a) Initial Setting Time	IS-4031 (Part -5)	130 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	345 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	30.00 %	-

Note:

⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒ The results indicated above are based on the tests carried out on the samples Collected at the Site.

⇒ Any Query regarding the report must be reported within 30days from the date of testing.

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No.01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah layout, Nagasandra, Bangalore - 560 073.
PH.No: 9591618639 GST IN:29CNWPD9510K1ZB Email:civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/BGSN/W.No.8/2020-21 Date: 27.11.2020

TEST REPORT

CLIENT	:	**Assistant Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
AGENCY	:	**Sri. Byate Gowda S N,** Contractor, Bangalore.
NAME OF THE WORK	:	Improvements to Roads and Main and Cross Roads of Kodigehalli and surrounding areas in Ward No.8 Kodigehalli, BBMP, Bangalore.
SAMPLE ID	:	Cement (Birla OPC 53 Grade)
DATE OF MANUFACTURE	:	October - 2020
SAMPLE CONDITION	:	Satisfactory
DATE OF TESTING	:	25.11.2020 to 27.11.2020
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269-2015
1	a) Initial Setting Time	IS-4031 (Part -5)	145 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	325 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	29.50 %	-

Note:

⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒ The results indicated above are based on the tests carried out on the samples Collected at the Site.

⇒ Any Query regarding the report must be reported within 30days from the date of testing.

For CIVIL AIM CONSULTANTS & ENGINEERS

Prajwal

Authorised Signatory

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

.01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
maiah layout, Nagasandra, Bangalore - 560 073.
.No: 9591618639 GST IN:29CNWPD9510K1ZB Email:civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/BGSN/W.No.8/2020-21 Date : 25.11.2020

TEST REPORT ON FINE AGGREGATES (SAND)

Client : **Assistant Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.

Agency : **Sri. Byate Gowda S N,** Contractor, Bangalore.

Name of Work : Improvements to Roads and Main and Cross Roads of Kodigehalli and surrounding areas in Ward No.8 Kodigehalli, BBMP, Bangalore.

Date of Testing : 25.11.2020

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Sample Condition : Satisfactory

Material : Sand Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	84	8.40	8.40	91.6	90-100
2.36	132	13.20	21.60	78.4	75-100
1.18	188	18.80	40.40	59.6	55-90
600 Micron	156	15.60	56.00	44.0	35-59
300 Micron	225	22.50	78.50	21.5	8-30
150 Micron	158	15.80	94.30	5.7	0-10

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples Collected at the Site.
3. Any Query regarding the report must be reported within 30days from the date of testing.

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

o.01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
amaiah layout, Nagasandra, Bangalore - 560 073.
H.No: 9591618639 GST IN:29CNWPD9510K1ZB Email:civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/BGSN/W.No.8/2020-21 Date : 26.11.2020

TEST REPORT ON FINE AGGREGATES (SAND)

Client : **Assistant Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.

Agency : **Sri. Byate Gowda S N,** Contractor, Bangalore.

Name of Work : Improvements to Roads and Main and Cross Roads of Kodigehalli and surrounding areas in Ward No.8 Kodigehalli, BBMP, Bangalore.

Date of Testing : 26.11.2020

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Sample Condition : Satisfactory

Material : Sand Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	78	7.80	7.80	92.2	90-100
2.36	139	13.90	21.70	78.3	75-100
1.18	182	18.20	39.90	60.1	55-90
600 Micron	165	16.50	56.40	43.6	35-59
300 Micron	220	22.00	78.40	21.6	8-30
150 Micron	165	16.50	94.90	5.1	0-10

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples Collected at the Site.
3. Any Query regarding the report must be reported within 30days from the date of testing.

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No.01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah layout, Nagasandra, Bangalore - 560 073.
PH.No: 9591618639 GST IN:29CNWPD9510K1ZB Email:civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/BGSN/W.No.8/2020-21 Date : 27.11.2020

TEST REPORT ON FINE AGGREGATES (SAND)

Client : **Assistant Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.

Agency : **Sri. Byate Gowda S N,** Contractor, Bangalore.

Name of Work : Improvements to Roads and Main and Cross Roads of Kodigehalli and surrounding areas in Ward No.8 Kodigehalli, BBMP, Bangalore.

Date of Testing : 27.11.2020

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Sample Condition : Satisfactory

Material : Sand Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	84	8.40	8.40	91.6	90-100
2.36	139	13.90	22.30	77.7	75-100
1.18	184	18.40	40.70	59.3	55-90
600 Micron	165	16.50	57.20	42.8	35-59
300 Micron	220	22.00	79.20	20.8	8-30
150 Micron	168	16.80	96.00	4.0	0-10

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples Collected at the Site.
3. Any Query regarding the report must be reported within 30days from the date of testing.

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No.01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah layout, Nagasandra, Bangalore - 560 073.
PH.No: 9591618639 GST IN:29CNWPD9510K1ZB Email:civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/BGSN/W.No.8/2020-21 Date : 25.11.2020

TEST REPORT ON FINE AGGREGATES (SAND)
IS 2116-1980

Client : **Assistant Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.

Agency : **Sri. Byate Gowda S N,** Contractor, Bangalore.

Name of Work : Improvements to Roads and Main and Cross Roads of Kodigehalli and surrounding areas in Ward No.8 Kodigehalli, BBMP, Bangalore.

Date of Testing : 25.11.2020

Sample Condition : Satisfactory

Material : Sand - Masonry Total wt. of aggregates in gms = **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 2116-1980
4.75	0	0.00	0.00	100.0	100
2.36	14	1.40	1.40	98.6	90-100
1.18	35	3.50	4.90	95.1	70-100
600 Micron	89	8.90	13.80	86.2	40-100
300 Micron	256	25.60	39.40	60.6	5-70
150 Micron	488	48.80	88.20	11.8	0-15

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples Collected at the Site.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No.01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah layout, Nagasandra, Bangalore - 560 073.
PH.No: 9591618639 GST IN:29CNWPD9510K1ZB Email:civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/BGSN/W.No.8/2020-21 Date : 26.11.2020

TEST REPORT ON FINE AGGREGATES (SAND)
IS 2116-1980

Client : **Assistant Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.

Agency : **Sri. Byate Gowda S N,** Contractor, Bangalore.

Name of Work : Improvements to Roads and Main and Cross Roads of Kodigehalli and surrounding areas in Ward No.8 Kodigehalli, BBMP, Bangalore.

Date of Testing : 26.11.2020

Sample Condition : Satisfactory

Material : Sand - Masonry

Total wt. of aggregates in gms = **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 2116-1980
4.75	0	0.00	0.00	100.0	100
2.36	16	1.60	1.60	98.4	90-100
1.18	38	3.80	5.40	94.6	70-100
600 Micron	84	8.40	13.80	86.2	40-100
300 Micron	255	25.50	39.30	60.7	5-70
150 Micron	498	49.80	89.10	10.9	0-15

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples Collected at the Site.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No.01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah layout, Nagasandra, Bangalore - 560 073.
PH.No: 9591618639 GST IN:29CNWPD9510K1ZB Email:civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/BGSN/W.No.8/2020-21 Date : 27.11.2020

TEST REPORT ON FINE AGGREGATES (SAND)
IS 2116-1980

Client : **Assistant Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.

Agency : **Sri. Byate Gowda S N,** Contractor, Bangalore.

Name of Work : Improvements to Roads and Main and Cross Roads of Kodigehalli and surrounding areas in Ward No.8 Kodigehalli, BBMP, Bangalore.

Date of Testing : 27.11.2020

Sample Condition : Satisfactory

Material : Sand - Masonry Total wt. of aggregates in gms = **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 2116-1980
4.75	0	0.00	0.00	100.0	100
2.36	11	1.10	1.10	98.9	90-100
1.18	39	3.90	5.00	95.0	70-100
600 Micron	85	8.50	13.50	86.5	40-100
300 Micron	265	26.50	40.00	60.0	5-70
150 Micron	498	49.80	89.80	10.2	0-15

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples Collected at the Site.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No.01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah layout, Nagasandra, Bangalore - 560 073.
PH.No: 9591618639 GST IN:29CNWPD9510K1ZB Email:civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/BGSN/W.No.8/2020-21 Date : 25.11.2020

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.

Agency : **Sri. Byate Gowda S N,** Contractor, Bangalore.

Name of Work : Improvements to Roads and Main and Cross Roads of Kodigehalli and surrounding areas in Ward No.8 Kodigehalli, BBMP, Bangalore.

Date of Testing : 25.11.2020

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Sample Condition : Satisfactory

Material : 20mm Aggregates

Total Wt. of Aggregates in gms= **5000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
40	0	0	0	100	100
20	185	3.7	3.7	96.3	95-100
10	2365	47.3	51.0	49.0	25-55
4.75	1978	39.6	90.6	9.4	0-10

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples Collected at the Site.
3. Any Query regarding the report must be reported within 30days from the date of testing.

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No.01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah layout, Nagasandra, Bangalore - 560 073.
PH.No: 9591618639 GST IN:29CNWPD9510K1ZB Email:civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/BGSN/W.No.8/2020-21 Date : 26.11.2020

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.

Agency : **Sri. Byate Gowda S N,** Contractor, Bangalore.

Name of Work : Improvements to Roads and Main and Cross Roads of Kodigehalli and surrounding areas in Ward No.8 Kodigehalli, BBMP, Bangalore.

Date of Testing : 26.11.2020

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Sample Condition : Satisfactory

Material : 20mm Aggregates

Total Wt. of Aggregates in gms= **5000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
40	0	0	0	100	100
20	189	3.8	3.8	96.2	95-100
10	2356	47.1	50.9	49.1	25-55
4.75	2015	40.3	91.2	8.8	0-10

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples Collected at the Site.
3. Any Query regarding the report must be reported within 30days from the date of testing.

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No.01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah layout, Nagasandra, Bangalore - 560 073.
PH.No: 9591618639 GST IN:29CNWPD9510K1ZB Email:civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/BGSN/W.No.8/2020-21 Date : 27.11.2020

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.

Agency : **Sri. Byate Gowda S N,** Contractor, Bangalore.

Name of Work : Improvements to Roads and Main and Cross Roads of Kodigehalli and surrounding areas in Ward No.8 Kodigehalli, BBMP, Bangalore.

Date of Testing : 27.11.2020

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Sample Condition : Satisfactory

Material : 20mm Aggregates

Total Wt. of Aggregates in gms= **5000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
40	0	0	0	100	100
20	195	3.9	3.9	96.1	95-100
10	2356	47.1	51.0	49.0	25-55
4.75	1989	39.8	90.8	9.2	0-10

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples Collected at the Site.
3. Any Query regarding the report must be reported within 30days from the date of testing.

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No.01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah layout, Nagasandra, Bangalore - 560 073.
PH.No: 9591618639 GST IN:29CNWPD9510K1ZB Email:civilaim

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/BGSN/W.No.8/2020-21 Date : 25.11.2020

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.

Agency : **Sri. Byate Gowda S N,** Contractor, Bangalore.

Name of Work : Improvements to Roads and Main and Cross Roads of Kodigehalli and surrounding areas in Ward No.8 Kodigehalli, BBMP, Bangalore.

Date of Testing : 25.11.2020

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Sample Condition : Satisfactory

Material : 40mm Aggregates

Total Wt. of Aggregates in gms **15000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
80	0	0	0	100	100
40	156	1.04	1.04	98.96	95-100
20	8236	54.91	55.95	44.05	30-70
10	3265	21.77	77.71	22.29	10-35
4.75	2850	19.00	96.71	3.29	0-5

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples Collected at the Site.
3. Any Query regarding the report must be reported within 30days from the date of testing.

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No.01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah layout, Nagasandra, Bangalore - 560 073.
PH.No: 9591618639 GST IN:29CNWPD9510K1ZB Email:civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/BGSN/W.No.8/2020-21 Date : 26.11.2020

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.

Agency : **Sri. Byate Gowda S N,** Contractor, Bangalore.

Name of Work : Improvements to Roads and Main and Cross Roads of Kodigehalli and surrounding areas in Ward No.8 Kodigehalli, BBMP, Bangalore.

Date of Testing : 26.11.2020

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Sample Condition : Satisfactory

Material : 40mm Aggregates

Total Wt. of Aggregates in gms **15000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
80	0	0	0	100	100
40	189	1.26	1.26	98.74	95-100
20	8256	55.04	56.30	43.70	30-70
10	3258	21.72	78.02	21.98	10-35
4.75	2846	18.97	96.99	3.01	0-5

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples Collected at the Site.
3. Any Query regarding the report must be reported within 30days from the date of testing.

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No.01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah layout, Nagasandra, Bangalore - 560 073.
PH.No: 9591618639 GST IN:29CNWPD9510K1ZB Email:civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/BGSN/W.No.8/2020-21 Date : 27.11.2020

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.

Agency : **Sri. Byate Gowda S N,** Contractor, Bangalore.

Name of Work : Improvements to Roads and Main and Cross Roads of Kodigehalli and surrounding areas in Ward No.8 Kodigehalli, BBMP, Bangalore.

Date of Testing : 27.11.2020

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Sample Condition : Satisfactory

Material : 40mm Aggregates

Total Wt. of Aggregates in gms **15000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
80	0	0	0	100	100
40	168	1.12	1.12	98.88	95-100
20	8245	54.97	56.09	43.91	30-70
10	3258	21.72	77.81	22.19	10-35
4.75	2846	18.97	96.78	3.22	0-5

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples Collected at the Site.
3. Any Query regarding the report must be reported within 30days from the date of testing.

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No.01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah layout, Nagasandra, Bangalore - 560 073.
PH.No: 9591618639 GST IN:29CNWPD9510K1ZB Email:civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/BGSN/W.No.8/2020-21

Date : 27.11.2020

TEST REPORT OF PHYSICAL PROPERTIES OF REINFORCEMENT STEEL

Client	: **Assistant Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
Agency	: **Sri. Byate Gowda S N,** Contractor, Bangalore.
Name of Work	: Improvements to Roads and Main and Cross Roads of Kodigehalli and surrounding areas in Ward No.8 Kodigehalli, BBMP, Bangalore.
Steel Dia/Length	: 8mm,10mm,12mm " Fe500 TMT Bars"
Reference to BIS codes	: IS 1786:2008(RA 2013) High Strength Deformed Steel Bars and Wires for Concrete Reinforcement-Specification
	: IS 1608:2005 Metallic Materials- Tensile Testing at Ambient Temperature
Sample Condition	: Satisfactory
Date of test	: 27.11.2020

S.No	Brand	Nominal size (dia in mm)	Mass per meter (kg/meter)	TENSILE STRENGTH			
				0.20 % proof stress/ yield stress (N/mm^2)	Tensile strength (N/mm^2)	TS/YS ratio	Elongation, percent on gauge length
1	TMT	8	0.396	556	649	1.17	14
2	TMT	10	0.618	568	655	1.15	16
3	TMT	12	0.889	579	672	1.16	15.5

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples Collected at the Site.
3. Any Query regarding the report must be reported within 30days from the date of testing.

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No.01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah layout, Nagasandra, Bangalore - 560 073.
PH.No: 9591618639 GST IN:29CNWPD9510K1ZB Email:civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/BGSN/W.No.8/2020-21 Date: 12.12.2020

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.

Agency : **Sri. Byate Gowda S N,** Contractor, Bangalore.

Name of the work : Improvements to Roads and Main and Cross Roads of Kodigehalli and surrounding areas in Ward No.8 Kodigehalli, BBMP, Bangalore.

Sample ID : Cement Concrete - Raft

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Sample Condition : Satisfactory

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	05.12.2020	12.12.2020	8.154	335.3	14.90
2	05.12.2020	12.12.2020	8.136	349.6	15.54
3	05.12.2020	12.12.2020	8.162	326.4	14.51

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples Collected at the Site.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No.01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah layout, Nagasandra, Bangalore - 560 073.
PH.No: 9591618639 GST IN:29CNWPD9510K1ZB Email:civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/BGSN/W.No.8/2020-21 Date: 02.01.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.

Agency : **Sri. Byate Gowda S N,** Contractor, Bangalore.

Name of the work : Improvements to Roads and Main and Cross Roads of Kodigehalli and surrounding areas in Ward No.8 Kodigehalli, BBMP, Bangalore.

Sample ID : Cement Concrete - Raft

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Sample Condition : Satisfactory

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	05.12.2020	02.01.2021	8.152	500.3	22.24
2	05.12.2020	02.01.2021	8.165	512.3	22.77
3	05.12.2020	02.01.2021	8.148	488.9	21.73

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples Collected at the Site.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No.01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah layout, Nagasandra, Bangalore - 560 073.
PH.No: 9591618639 GST IN:29CNWPD9510K1ZB Email:civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/BGSN/W.No.8/2020-21 Date: 12.12.2020

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.

Agency : **Sri. Byate Gowda S N,** Contractor, Bangalore.

Name of the work : Improvements to Roads and Main and Cross Roads of Kodigehalli and surrounding areas in Ward No.8 Kodigehalli, BBMP, Bangalore.

Sample ID : Cement Concrete - Raft

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Sample Condition : Satisfactory

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	05.12.2020	12.12.2020	8.168	346.3	15.39
2	05.12.2020	12.12.2020	8.152	352.6	15.67
3	05.12.2020	12.12.2020	8.146	339.2	15.08

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples Collected at the Site.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No.01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah layout, Nagasandra, Bangalore - 560 073.
PH.No: 9591618639 GST IN:29CNWPD9510K1ZB Email:civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/BGSN/W.No.8/2020-21

Date: 02.01.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
Agency	**: Sri. Byate Gowda S N,** Contractor, Bangalore.
Name of the work	: Improvements to Roads and Main and Cross Roads of Kodigehalli and surrounding areas in Ward No.8 Kodigehalli, BBMP, Bangalore.
Sample ID	: Cement Concrete - Raft
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Sample Condition	: Satisfactory
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	05.12.2020	02.01.2021	8.140	511.2	22.72
2	05.12.2020	02.01.2021	8.152	524.6	23.32
3	05.12.2020	02.01.2021	8.179	505.8	22.48

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples Collected at the Site.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No.01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah layout, Nagasandra, Bangalore - 560 073.
PH.No: 9591618639 GST IN:29CNWPD9510K1ZB Email:civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/BGSN/W.No.8/2020-21 Date: 15.12.2020

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.

Agency : **Sri. Byate Gowda S N,** Contractor, Bangalore.

Name of the work : Improvements to Roads and Main and Cross Roads of Kodigehalli and surrounding areas in Ward No.8 Kodigehalli, BBMP, Bangalore.

Sample ID : Cement Concrete - Wall

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Sample Condition : Satisfactory

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	08.12.2020	15.12.2020	8.168	356.3	15.84
2	08.12.2020	15.12.2020	8.154	339.3	15.08
3	08.12.2020	15.12.2020	8.148	324.5	14.42

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples Collected at the Site.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

For CIVIL AIM CONSULTANTS & ENGINEERS

Prajwal

Authorised Signatory

No.01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah layout, Nagasandra, Bangalore - 560 073.
PH.No: 9591618639 GST IN:29CNWPD9510K1ZB Email:civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/BGSN/W.No.8/2020-21 Date: 05.01.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
Agency	: **Sri. Byate Gowda S N,** Contractor, Bangalore.
Name of the work	: Improvements to Roads and Main and Cross Roads of Kodigehalli and surrounding areas in Ward No.8 Kodigehalli, BBMP, Bangalore.
Sample ID	: Cement Concrete - Wall
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Sample Condition	: Satisfactory
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	08.12.2020	05.01.2021	8.140	500.9	22.26
2	08.12.2020	05.01.2021	8.158	526.3	23.39
3	08.12.2020	05.01.2021	8.184	515.2	22.90

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples Collected at the Site.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No.01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah layout, Nagasandra, Bangalore - 560 073.
PH.No: 9591618639 GST IN:29CNWPD9510K1ZB Email:civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/BGSN/W.No.8/2020-21 Date: 16.12.2020

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
Agency	**: Sri. Byate Gowda S N,** Contractor, Bangalore.
Name of the work	: Improvements to Roads and Main and Cross Roads of Kodigehalli and surrounding areas in Ward No.8 Kodigehalli, BBMP, Bangalore.
Sample ID	: Cement Concrete - Raft
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Sample Condition	: Satisfactory
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	09.12.2020	16.12.2020	8.147	356.3	15.84
2	09.12.2020	16.12.2020	8.158	339.6	15.09
3	09.12.2020	16.12.2020	8.163	346.5	15.40

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples Collected at the Site.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No.01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah layout, Nagasandra, Bangalore - 560 073.
PH.No: 9591618639 GST IN:29CNWPD9510K1ZB Email:civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/BGSN/W.No.8/2020-21 Date: 06.01.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
Agency	**: Sri. Byate Gowda S N,** Contractor, Bangalore.
Name of the work	: Improvements to Roads and Main and Cross Roads of Kodigehalli and surrounding areas in Ward No.8 Kodigehalli, BBMP, Bangalore.
Sample ID	: Cement Concrete - Raft
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Sample Condition	: Satisfactory
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	09.12.2020	06.01.2021	8.154	526.3	23.39
2	09.12.2020	06.01.2021	8.136	508.2	22.59
3	09.12.2020	06.01.2021	8.149	511.2	22.72

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples Collected at the Site.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No.01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah layout, Nagasandra, Bangalore - 560 073.
PH.No: 9591618639 GST IN:29CNWPD9510K1ZB Email:civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/BGSN/W.No.8/2020-21 Date: 18.12.2020

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
Agency	**: Sri. Byate Gowda S N,** Contractor, Bangalore.
Name of the work	: Improvements to Roads and Main and Cross Roads of Kodigehalli and surrounding areas in Ward No.8 Kodigehalli, BBMP, Bangalore.
Sample ID	: Cement Concrete - Wall
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Sample Condition	: Satisfactory
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.12.2020	18.12.2020	8.148	356.3	15.84
2	11.12.2020	18.12.2020	8.136	336.3	14.95
3	11.12.2020	18.12.2020	8.164	362.5	16.11

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples Collected at the Site.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No.01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah layout, Nagasandra, Bangalore - 560 073.
PH.No: 9591618639 GST IN:29CNWPD9510K1ZB Email:civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/BGSN/W.No.8/2020-21 Date: 08.01.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
Agency	**: Sri. Byate Gowda S N,** Contractor, Bangalore.
Name of the work	: Improvements to Roads and Main and Cross Roads of Kodigehalli and surrounding areas in Ward No.8 Kodigehalli, BBMP, Bangalore.
Sample ID	: Cement Concrete - Wall
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Sample Condition	: Satisfactory
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.12.2020	08.01.2021	8.148	500.2	22.23
2	11.12.2020	08.01.2021	8.159	478.5	21.27
3	11.12.2020	08.01.2021	8.136	489.6	21.76

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples Collected at the Site.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No.01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah layout, Nagasandra, Bangalore - 560 073.
PH.No: 9591618639 GST IN:29CNWPD9510K1ZB Email:civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/BGSN/W.No.8/2020-21 Date: 18.12.2020

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
Agency	**: Sri. Byate Gowda S N,** Contractor, Bangalore.
Name of the work	: Improvements to Roads and Main and Cross Roads of Kodigehalli and surrounding areas in Ward No.8 Kodigehalli, BBMP, Bangalore.
Sample ID	: Cement Concrete - Wall
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Sample Condition	: Satisfactory
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.12.2020	18.12.2020	8.162	356.3	15.84
2	11.12.2020	18.12.2020	8.135	339.6	15.09
3	11.12.2020	18.12.2020	8.149	324.2	14.41

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples Collected at the Site.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No.01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah layout, Nagasandra, Bangalore - 560 073.
PH.No: 9591618639 GST IN:29CNWPD9510K1ZB Email:civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/BGSN/W.No.8/2020-21 Date: 08.01.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
Agency	**: Sri. Byate Gowda S N,** Contractor, Bangalore.
Name of the work	: Improvements to Roads and Main and Cross Roads of Kodigehalli and surrounding areas in Ward No.8 Kodigehalli, BBMP, Bangalore.
Sample ID	: Cement Concrete - Wall
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Sample Condition	: Satisfactory
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.12.2020	08.01.2021	8.168	502.2	22.32
2	11.12.2020	08.01.2021	8.154	519.6	23.09
3	11.12.2020	08.01.2021	8.148	524.3	23.30

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples Collected at the Site.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No.01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah layout, Nagasandra, Bangalore - 560 073.

PH.No: 9591618639 GST IN:29CNWPD9510K1ZB Email:civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/BGSN/W.No.8/2020-21 Date: 18.12.2020

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
Agency	**: Sri. Byate Gowda S N,** Contractor, Bangalore.
Name of the work	: Improvements to Roads and Main and Cross Roads of Kodigehalli and surrounding areas in Ward No.8 Kodigehalli, BBMP, Bangalore.
Sample ID	: Cement Concrete - Raft
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Sample Condition	: Satisfactory
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.12.2020	18.12.2020	8.148	322.6	14.34
2	11.12.2020	18.12.2020	8.165	346.5	15.40
3	11.12.2020	18.12.2020	8.138	352.8	15.68

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples Collected at the Site.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No.01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah layout, Nagasandra, Bangalore - 560 073.
PH.No: 9591618639 GST IN:29CNWPD9510K1ZB Email:civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/BGSN/W.No.8/2020-21 Date: 08.01.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.

Agency : **Sri. Byate Gowda S N,** Contractor, Bangalore.

Name of the work : Improvements to Roads and Main and Cross Roads of Kodigehalli and surrounding areas in Ward No.8 Kodigehalli, BBMP, Bangalore.

Sample ID : Cement Concrete - Raft

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Sample Condition : Satisfactory

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.12.2020	08.01.2021	8.184	512.2	22.76
2	11.12.2020	08.01.2021	8.156	482.6	21.45
3	11.12.2020	08.01.2021	8.164	505.2	22.45

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples Collected at the Site.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No.01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah layout, Nagasandra, Bangalore - 560 073.

PH.No: 9591618639 GST IN:29CNWPD9510K1ZB Email:civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/BGSN/W.No.8/2020-21 Date: 21.12.2020

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
Agency	: **Sri. Byate Gowda S N,** Contractor, Bangalore.
Name of the work	: Improvements to Roads and Main and Cross Roads of Kodigehalli and surrounding areas in Ward No.8 Kodigehalli, BBMP, Bangalore.
Sample ID	: Cement Concrete - Wall
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Sample Condition	: Satisfactory
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	14.12.2020	21.12.2020	8.148	362.3	16.10
2	14.12.2020	21.12.2020	8.184	352.6	15.67
3	14.12.2020	21.12.2020	8.169	346.5	15.40

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples Collected at the Site.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No.01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah layout, Nagasandra, Bangalore - 560 073.
PH.No: 9591618639 GST IN:29CNWPD9510K1ZB Email:civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/BGSN/W.No.8/2020-21 Date: 11.01.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
Agency	: **Sri. Byate Gowda S N,** Contractor, Bangalore.
Name of the work	: Improvements to Roads and Main and Cross Roads of Kodigehalli and surrounding areas in Ward No.8 Kodigehalli, BBMP, Bangalore.
Sample ID	: Cement Concrete - Wall
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Sample Condition	: Satisfactory
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	14.12.2020	11.01.2021	8.156	502.2	22.32
2	14.12.2020	11.01.2021	8.135	516.8	22.97
3	14.12.2020	11.01.2021	8.148	522.6	23.23

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples Collected at the Site.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No.01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah layout, Nagasandra, Bangalore - 560 073.
PH.No: 9591618639 GST IN:29CNWPD9510K1ZB Email:civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/BGSN/W.No.8/2020-21

Date: 22.12.2020

PRECAST SLAB 100mm Thick(CORE) TEST REPORT

Client	:	**Assistant Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
Contractor	:	**Sri. Byate Gowda S N,** Contractor, Bangalore.
Name of Work	:	Improvements to Roads and Main and Cross Roads of Kodigehalli and surrounding areas in Ward No.8 Kodigehalli, BBMP, Bangalore.
No.of Sample Tested	:	03
Date of Testing	:	22.12.2020
Techinical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Sample Condition	:	Satisfactory
Grade of Concrete	:	M_{20}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	85.00	0.392	2348.75	1.70	0.968	31.90	16.25	17.55	16.98	21.22
2	50.00	87.00	0.405	2370.86	1.74	0.972	32.60	16.60	17.93	17.43	21.78
3	50.00	89.00	0.421	2409.14	1.78	0.976	33.80	17.21	18.59	18.15	22.69

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples Collected at the Site.
3. Any Query regarding the report must be reported reported within 30 days from the date of testing.

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No.01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah layout, Nagasandra, Bangalore - 560 073.

PH.No: 9591618639 GST IN:29CNWPD9510K1ZB Email:civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/BGSN/W.No.8/2020-21 Date: 22.12.2020

PRECAST SLAB 230mm Thick(CORE) TEST REPORT

Client	:	**Assistant Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
Contractor	:	**Sri. Byate Gowda S N,** Contractor, Bangalore.
Name of Work	:	Improvements to Roads and Main and Cross Roads of Kodigehalli and surrounding areas in Ward No.8 Kodigehalli, BBMP, Bangalore.
No.of Sample Tested	:	03
Date of Testing	:	22.12.2020
Techinical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Sample Condition	:	Satisfactory
Grade of Concrete	:	M_{20}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	90.00	118.00	1.780	2371.17	1.31	0.926	115.20	18.11	19.56	18.10	22.63
2	90.00	120.00	1.824	2389.29	1.33	0.928	116.30	18.28	19.74	18.32	22.90
3	90.00	124.00	1.889	2394.61	1.38	0.933	118.20	18.58	20.07	18.72	23.40

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples Collected at the Site.
3. Any Query regarding the report must be reported reported within 30 days from the date of testing.

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No.01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah layout, Nagasandra, Bangalore - 560 073.
PH.No: 9591618639 GST IN:29CNWPD9510K1ZB Email:civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/BGSN/W.No.8/2020-21

Date: 24.12.2020

PRECAST SLAB 100mm Thick(CORE) TEST REPORT

Client	:	**Assistant Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
Contractor	:	**Sri. Byate Gowda S N,** Contractor, Bangalore.
Name of Work	:	Improvements to Roads and Main and Cross Roads of Kodigehalli and surrounding areas in Ward No.8 Kodigehalli, BBMP, Bangalore.
No.of Sample Tested	:	03
Date of Testing	:	24.12.2020
Techinical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Sample Condition	:	Satisfactory
Grade of Concrete	:	M_{20}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	82.00	0.379	2353.94	1.64	0.961	32.30	16.45	17.77	17.08	21.34
2	50.00	84.00	0.390	2364.59	1.68	0.965	33.80	17.21	18.59	17.95	22.44
3	50.00	86.00	0.405	2398.43	1.72	0.970	34.60	17.62	19.03	18.46	23.07

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples Collected at the Site.
3. Any Query regarding the report must be reported reported within 30 days from the date of testing.

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No.01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah layout, Nagasandra, Bangalore - 560 073.
PH.No: 9591618639 GST IN:29CNWPD9510K1ZB Email:civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/BGSN/W.No.8/2020-21 Date: 23.12.2020

KERB STONE (CORE) TEST REPORT

Client	:	**Assistant Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
Agency	:	**Sri. Byate Gowda S N,** Contractor, Bangalore.
Name of Work	:	Improvements to Roads and Main and Cross Roads of Kodigehalli and surrounding areas in Ward No.8 Kodigehalli, BBMP, Bangalore.
No.of Sample Tested	:	03
Date of Testing	:	23.12.2020
Techinical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Sample Condition	:	Satisfactory
Grade of Concrete	:	M_{15}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	70.00	0.321	2335.49	1.40	0.935	25.90	13.19	14.25	13.32	16.65
2	50.00	73.00	0.338	2358.11	1.46	0.942	26.30	13.39	14.47	13.62	17.03
3	50.00	75.00	0.352	2390.30	1.50	0.946	26.90	13.70	14.80	14.00	17.50

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples Collected at the Site.
3. Any Query regarding the report must be reported reported within 30days from the date of testing.

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No.01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah layout, Nagasandra, Bangalore - 560 073.

PH.No: 9591618639 GST IN:29CNWPD9510K1ZB Email:civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/BGSN/W.No.8/2020-21 Date: 24.12.2020

KERB STONE (CORE) TEST REPORT

Client	:	**Assistant Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
Agency	:	**Sri. Byate Gowda S N,** Contractor, Bangalore.
Name of Work	:	Improvements to Roads and Main and Cross Roads of Kodigehalli and surrounding areas in Ward No.8 Kodigehalli, BBMP, Bangalore.
No.of Sample Tested	:	03
Date of Testing	:	24.12.2020
Techinical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Sample Condition	:	Satisfactory
Grade of Concrete	:	M_{15}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	71.00	0.326	2338.46	1.42	0.937	25.30	12.89	13.92	13.04	16.31
2	50.00	75.00	0.349	2369.92	1.50	0.946	26.20	13.34	14.41	13.63	17.04
3	50.00	77.00	0.362	2394.35	1.54	0.950	26.90	13.70	14.80	14.06	17.58

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples Collected at the Site.
3. Any Query regarding the report must be reported reported within 30days from the date of testing.

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No.01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah layout, Nagasandra, Bangalore - 560 073.
PH.No: 9591618639 GST IN:29CNWPD9510K1ZB Email:civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/BGSN/W.No.8/2020-21

Date: 28.12.2020

KERB STONE (CORE) TEST REPORT

Client	:	**Assistant Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
Agency	:	**Sri. Byate Gowda S N,** Contractor, Bangalore.
Name of Work	:	Improvements to Roads and Main and Cross Roads of Kodigehalli and surrounding areas in Ward No.8 Kodigehalli, BBMP, Bangalore.
No.of Sample Tested	:	03
Date of Testing	:	28.12.2020
Techinical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Sample Condition	:	Satisfactory
Grade of Concrete	:	M_{15}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	72.00	0.332	2348.42	1.44	0.940	25.20	12.83	13.86	13.02	16.28
2	50.00	74.00	0.346	2381.30	1.48	0.944	26.80	13.65	14.74	13.91	17.39
3	50.00	76.00	0.358	2399.05	1.52	0.948	27.30	13.90	15.02	14.24	17.80

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples Collected at the Site.
3. Any Query regarding the report must be reported reported within 30days from the date of testing.

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No.01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah layout, Nagasandra, Bangalore - 560 073.
PH.No: 9591618639 GST IN:29CNWPD9510K1ZB Email:civilaimconsultants@gmail.com